

# autonumis

## Bravanti machine



### Operators Manual

This guide contains instructions on  
how to use Autonumis Bravanti  
machines

## **Note:**

Installation of this equipment should be undertaken by a trained and authorised engineer and is detailed in a separate installation and servicing manual.

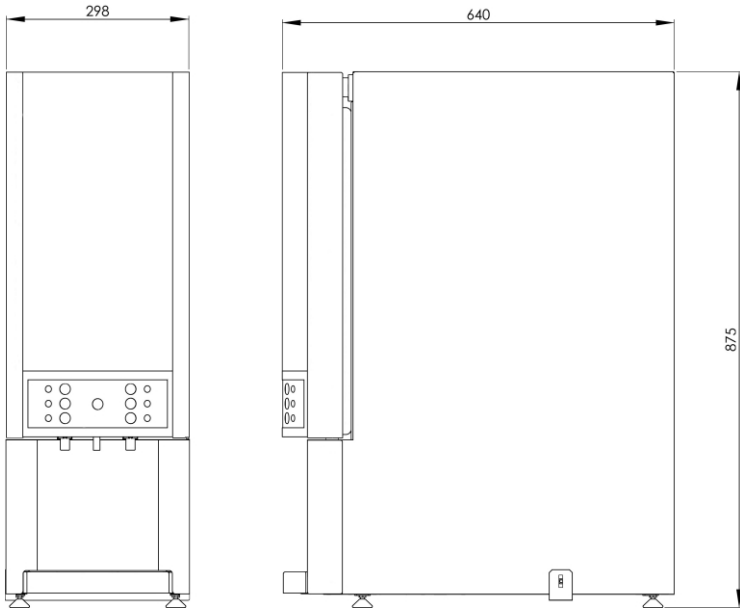
This operators manual is a guide to machine loading, setting and maintenance only.

## **Contents**

Specification	<u>2</u>
Overview of controls	<u>3</u>
Concentrate loading	<u>9</u>
Cleaning & maintenance	<u>11</u>
End of life disposal	<u>14</u>

Due to our policy of continual product improvement any diagrams and illustrations of the product and/or its component parts contained within this document may appear different from that/those supplied. However the contents of this document and the functionality of the product and/or its components that it describes remain unaffected.

## Specification



**Weight:**

Dry = 55.5 kg   Packed = 62.5kg  
Installed = 64.5kg

**Electrical:**

UK/EU 230v 50hz

**Water connection:**

3/4" BSP hose connection

**Water pressure:**

Minimum dynamic water pressure 2.5 Bar  
Maximum dynamic water pressure 8 Bar  
Pressure regulated in machine to suit site conditions.

**Refrigeration:**

R134a Hermetic compressor  
Concentrate storage compartment chilled to 4°C

**Brix adjustment:**

Electronic control

**Pump:**

Easy load peristaltic pump with 3 roller rotor 24v DC  
Motor. Fits silicone tube 6.4mm I/D x 2,4mm wall

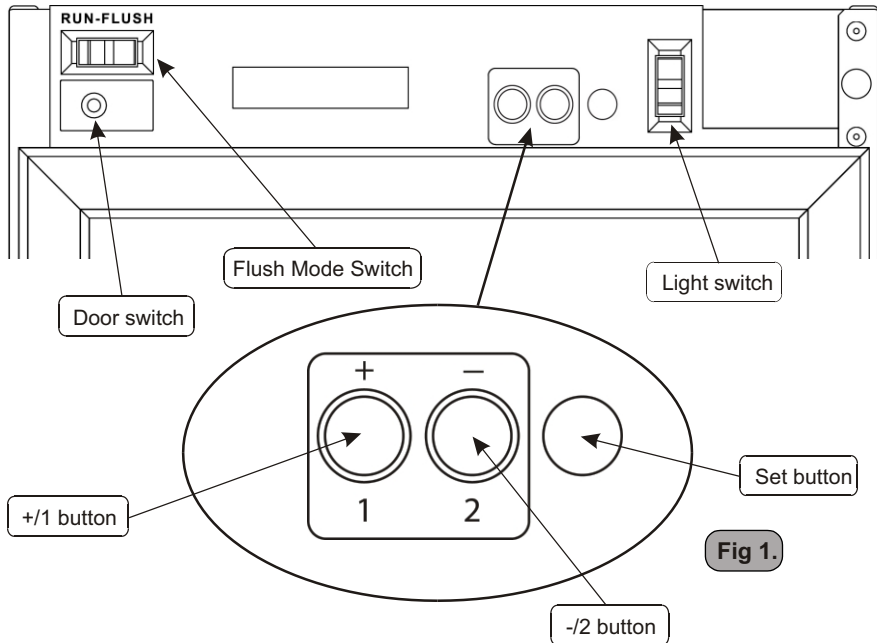
**Portion control:**

Programmable drink shot size or free flow

**Product capacity:**

2 x 5 litre disposable bag in box

## Overview of Controls



The three buttons shown in Fig 1 can be used to amend and set the following parameters:

1. Drink strength (Brix level)
2. Drink shot size (drink volume)
3. Concentrate low warning light
4. Machine lockout

See later in the manual for more details.

## Setting of drink strength (Brix)

Drink strength depends on two factors - concentrate delivery and water delivery.

Concentrate can be adjusted between 'High' and 'Low' pump speeds.

Water can be adjusted between 0 and 100 on the digital scale. 0 = less water (stronger drink), 100 = more water (weaker drink).

These two elements can be adjusted by pressing the buttons on the control panel as shown in Fig 1.

1. Ensure display reads 'Machine ready'.
2. Press and hold the '+/1' button or '-/2' button for 3 seconds depending on whether the left hand (1) or right hand (2) product is being set. In this example we will set the left hand product (1).
3. Display will show 'left' until button is released. It will then show pump speed and water setting eg. High 0030
4. Pressing the '+/1' button will then toggle between 'High' and 'Low' pump speed settings.
5. Press the 'Set' button to confirm pump speed.
6. Display will now show the water setting. Press the '+/1' or '-/2' buttons to increase or decrease the setting.
7. Press the 'Set' button. Display will now show the pump speed and water setting eg. High 0025.
8. Press 'Set' button again to confirm. Display will now read 'Machine Ready'.

**Note:** Machine will not operate unless the display reads 'Machine Ready'. When adjusting the Brix level the first drink dispensed should be discarded.

The Brix level should always be checked using a good quality refractometer.

## Drink shot size (drink volume)

Your machine will be fitted with one of the following dispense panels:-



Multiple drink dispense volumes



Single drink dispense volume

The machine can be set to give up to three different volumes of drink per side or can be set to free flow.

Note: Dispense panels shown with water option.

## **Drink shot size (contd)**

1. Ensure display reads 'Machine ready'.
2. Press and hold the 'Set' button (see Fig 1) for 3 seconds until the display reads 'New Bag?'.
3. Press either the '+/1' or the '-/2' buttons until the display reads 'set water shots'.
4. Shut the door and place the required size glass under the dispense nozzle on the drip tray.
5. Press and hold the dispense button on the front of the machine until the glass is filled to the required volume.
6. Open the door. The display will be reading the length of time of dispense eg. 0500 = 5 seconds. This time can be amended by pressing the '+/1' or '-/2' buttons.
7. The free flow option can be set by amending the time setting to 0000.
8. Press 'Set' button and the display will return to 'Set water shots'. The procedure can now be repeated to set the dispense volumes for other dispense buttons.
9. Press the 'Set' button to return the machine to 'Machine ready' status.

**Note:** Machine will not operate unless the display reads 'Machine Ready'.  
If water option is available dispense is free flow only.

## Setting of low concentrate warning

An indication that the bag in box concentrate is nearly empty can be set in the machine. A red warning light will be illuminated when approx 10% of the concentrate remains. This feature is not available when using refillable containers.



Low concentrate warning lights

To set the low concentrate warning lights:

1. Ensure display reads 'Machine ready'.
2. Insert a new pack of concentrate into the machine.
3. Press and hold the 'Set' button for 3 seconds. Display will read 'New Bag?'.
5. Press any left hand dispense button to re-set the left hand pack or any right hand dispense button to re-set the right hand pack. The display will briefly show which side has been set (left or right) and then 'Saved' before returning to 'Machine Ready'. The low concentrate warning light will go out.



## Setting the machine to Flush mode

Setting the machine to 'Flush' mode enables the dispense valves to be cleaned without removal from the machine.

1. Ensure display reads 'Machine ready'.
2. Set the 'Flush Mode Switch' (see Fig 1) to 'Flush'. The display will read 'Flush'.
3. Place a jug beneath the dispense valve to be flushed. Press and hold any of the left or right dispense buttons on the front of the machine to flush water through either the left or right dispense valves.  
Machine operates in free flow mode when set to 'Flush', water will be dispensed until the dispense button is released.
4. Set the 'Flush mode Switch' (see Fig 1) back to the 'Run' position to return to 'Machine Ready'.

## Setting the machine to Lockout

The machine can be locked out when not in use. In this mode no product will be dispensed.

1. Ensure display reads 'Machine ready'.
2. Press and hold the 'Set' button for 3 seconds. The display will read 'New Bag?'.
3. Press either the '+/1' or the '-/2' buttons until 'Lock Machine?' is displayed.
4. Press and hold the 'Set' button for 3 seconds until 'Out of Service' is displayed. Machine is now in lockout mode.
5. To exit from Lockout mode, press and hold the 'Set' button for 6 seconds until 'Machine Ready' is displayed.

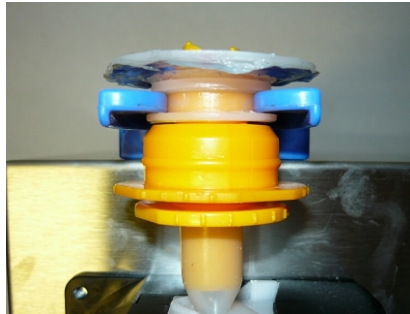
## Concentrate loading

Note: The concentrate carton has been removed from the following photographs for clarification purposes.

1. Remove the round perforated area from the bottom of the concentrate carton and pull out the tube and connector.
2. Attach the clip provided in the sales pack approx 10mm from the bottom of the tube. Leave the small plastic cap in the end of the tube.

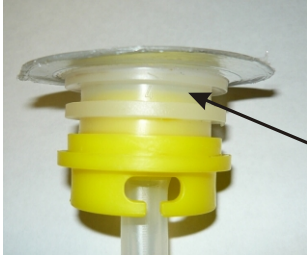


3. Screw or push the connector on the end of the tube into the connector on the bag (dependent on the type of connector).
4. Open the peristaltic pump. Position the carton into the machine and push the groove in the connector into the claw on top of the dispense box as far as it will go.



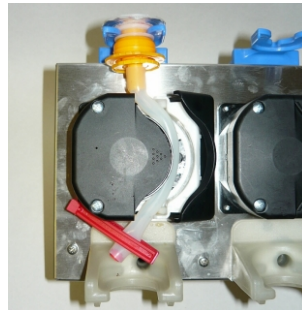
## Concentrate loading (contd)

If the type of connector shown in the photograph below is fitted, the top groove in the connector should be used to locate in the claw.



Claw to locate in top groove

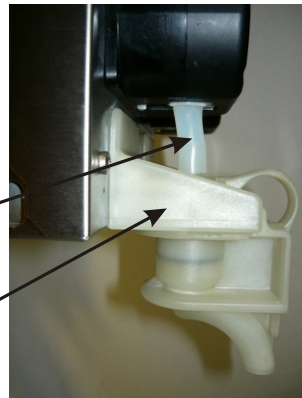
5. Feed the silicone tube through the peristaltic pump and snap the pump door shut. A distinct 'click' will be heard.



6. Remove the clamp and plastic cap from the end of the tube and fit over the stub pipe on the valve assembly. The tube should reach the bottom of the stub pipe and should not be kinked or creased.

Tube in correct position

Valve assembly



## **Cleaning and maintenance**

### Daily cleaning routine:

The dispenser should be flushed through with water every day or when the concentrate type is changed. A jug should be placed beneath the relevant dispense valve prior to flushing.

Set the dispenser to 'Flush' mode (see page 8 for details) and dispense at least 1 litre of water from each valve.

Empty the drip tray and wash the tray and grill thoroughly with a mild detergent. Rinse in clean, warm water.

Wipe down the drip tray area and the exterior cabinet with a clean damp cloth.

### Weekly cleaning routine:

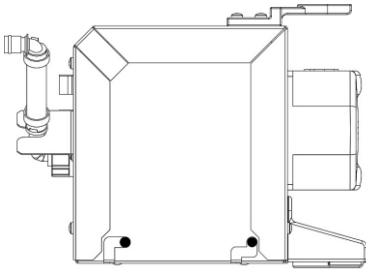
Remove the concentrate boxes, shelf and dispense module. Wipe all internal cabinet surfaces with a clean, damp cloth.

Wash the shelf thoroughly using a mild detergent and rinse off in clean, hot water.

Remove both valve assemblies, disassemble and wash thoroughly in mild detergent. Rinse off in clean, hot water and thoroughly dry. Apply a small amount of silicone grease provided to the 'O'ring seals and reassemble.

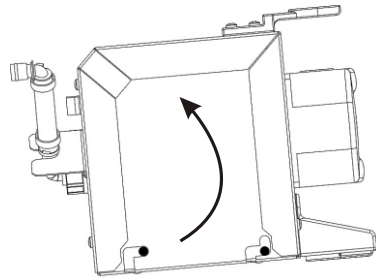
## Removal of the dispense module

1



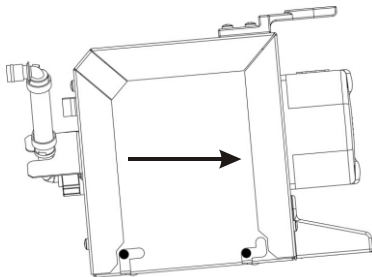
The dispense module sits on 4 pins, 2 each side of the inner cabinet.

2



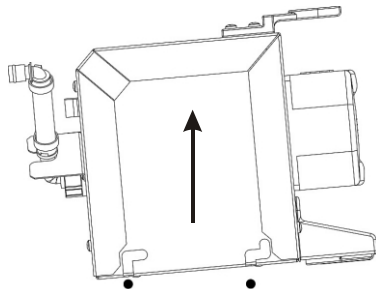
Lift the front of the dispense module upwards. It will rotate on the rear pins.

3



Pull the dispenser forward with the front still elevated.

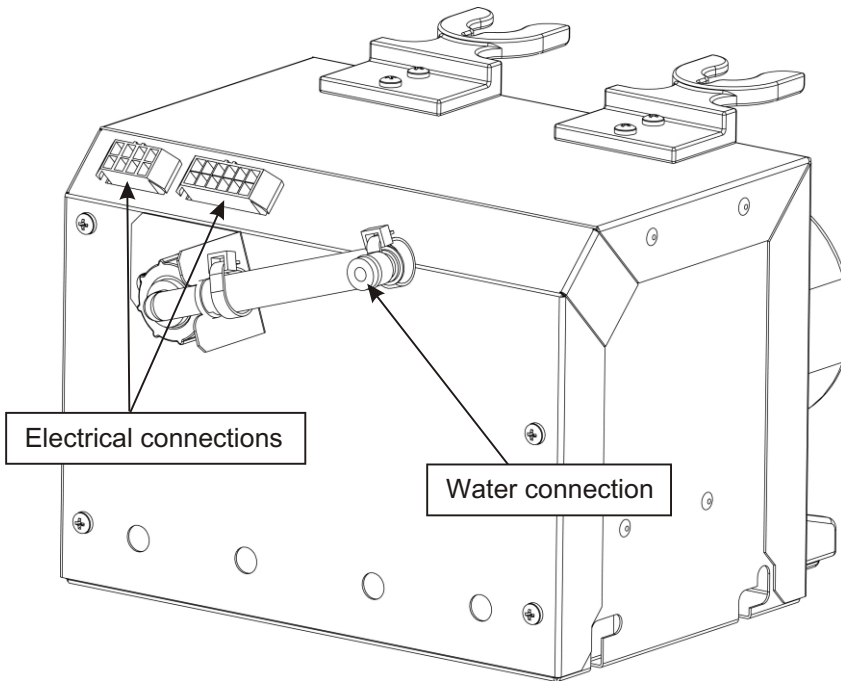
4



Lift the front and rear of the module until clear of the pins. Remove the water and electrical connections by depressing clips.

## Dispense module connections

The dispense module has one water and two electrical connections to the rear of the machine.



When reconnecting the water a positive 'click' should be heard when fully located.

When fully connected, the dispense module should be horizontal. If it is angled upwards it is not sitting down fully on the location pins. (See previous page)

## **End of life disposal**

This unit contains fluorinated greenhouse gas HFC-134-a regulated by the Koyoto protocol, the warming potential of which is 1300, and therefore must be disposed of responsibly.

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